Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
Data File : BE090336.D
Acq On : 4 Aug 2015 8:13
Operator : TP/UM
Sample : G3174-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : 080115-D506-E-D-M

Quant Time: Aug 04 13:20:49 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 02:31:31 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	5968	5.00	ng		0.00
6) Naphthalene-d8	10.35	136	25406	5.00	ng		0.00
12) Acenaphthene-d10	14.21	164	13241	5.00	ng		0.00
18) Phenanthrene-d10	16.94	188	27845	5.00	ng		0.00
25) Chrysene-d12	21.11	240	24648	5.00	ng		0.00
32) Perylene-d12	23.42	264	21313	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.23	112	2972	2.61	ng		0.00
5) Phenol-d6	6.78	99	2341	1.67	ng		0.00
7) Nitrobenzene-d5	8.73	82	5888	3.92	ng		0.00
13) 2,4,6-Tribromophenol	15.71	330	1309	5.58	ng		-0.02
14) 2-Fluorobiphenyl	12.83	172	14770	3.85	ng		0.00
27) Terphenyl-d14	19.57	244	20978	4.55	ng		-0.01
Target Compounds							Qvalue
8) Nitrobenzene	8.78	77	134	0.09	ng		96
9) Naphthalene	10.40	128	554	0.10	ng	#	71
11) 2-Methylnaphthalene	12.02	142	465	0.14	ng	#	94
15) Acenaphthylene	13.93	152	3578	0.15	ng		99
16) Acenaphthene	14.27	154	524	0.16	ng		96
17) Fluorene	15.26	166	619	0.15	ng	#	88
19) 4-Bromophenyl-phenylether	16.16	248	174	0.17	ng		81
20) Hexachlorobenzene	16.27	284	658	0.17	ng		98
21) Pentachlorophenol	16.61	266	718	3.16	ng		85
22) Phenanthrene	17.00	178	1074	0.17	ng		96
23) Anthracene	17.08	178	875	0.15	ng		100
24) Fluoranthene	18.99	202	1140	0.18	ng		99
26) Pyrene	19.36	202	1156	0.17	ng		99
28) Benzo(a)anthracene	21.09	228	860	0.18	ng	#	91
29) Chrysene	21.14	228	1082	0.13	ng	#	91
30) Bis(2-ethylhexyl)phthalate	21.03	149	596	0.52	ng		94
31) Indeno(1,2,3-cd)pyrene	25.81	276	648	0.37	ng	#	87
33) Benzo(b)fluoranthene	22.71	252	589	0.49	ng	#	78
34) Benzo(k)fluoranthene	22.76	252	871	0.15	ng	#	78
35) Benzo(a)pyrene	23.32	252	612	0.46	ng	#	74
36) Dibenzo(a,h)anthracene	25.84	278	441	0.41	ng	#	82
37) Benzo(g,h,i)perylene	26.55	276	787	0.43	ng	#	84

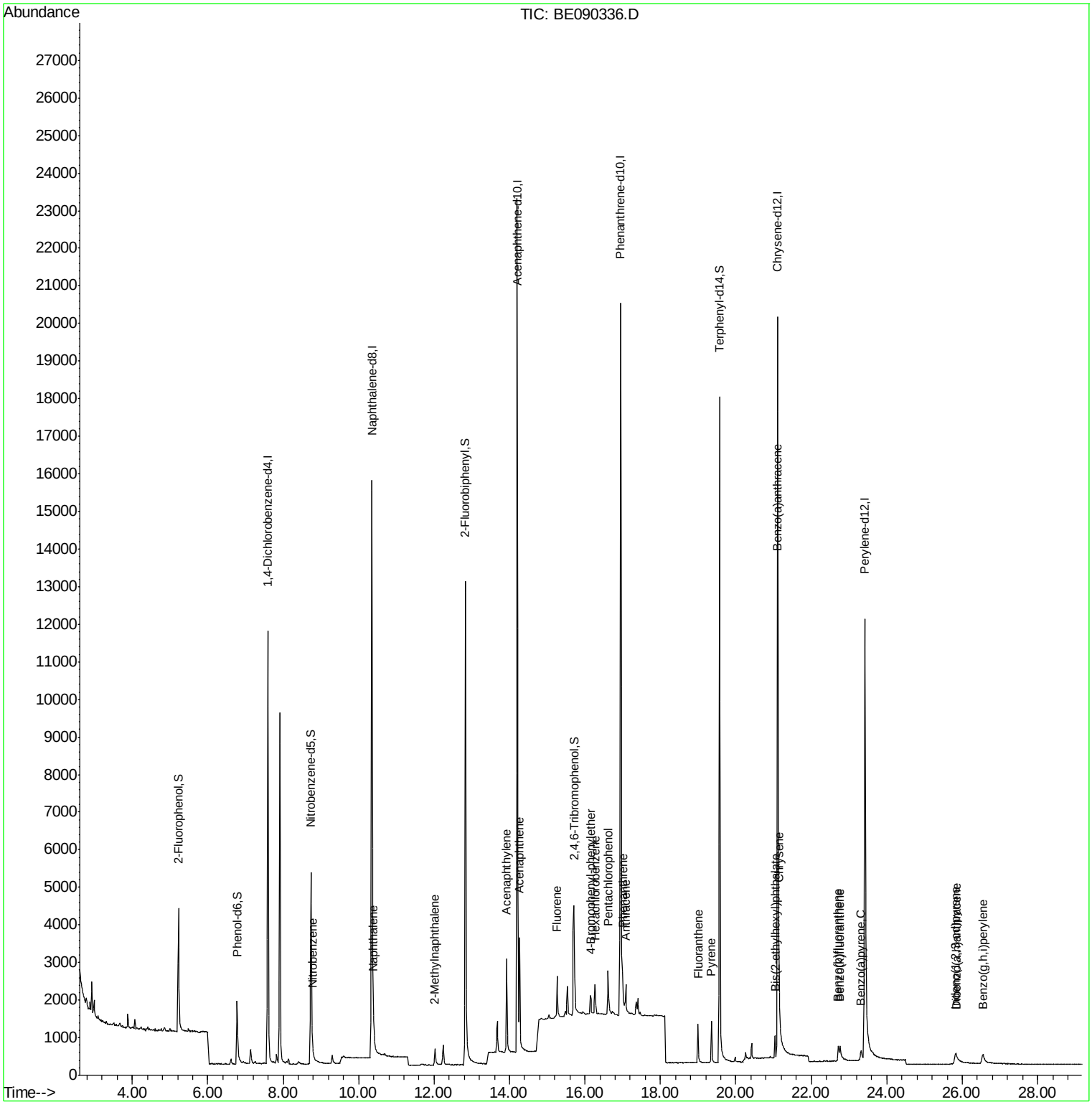
(#) = qualifier out of range (m) = manual integration (+) = signals summed

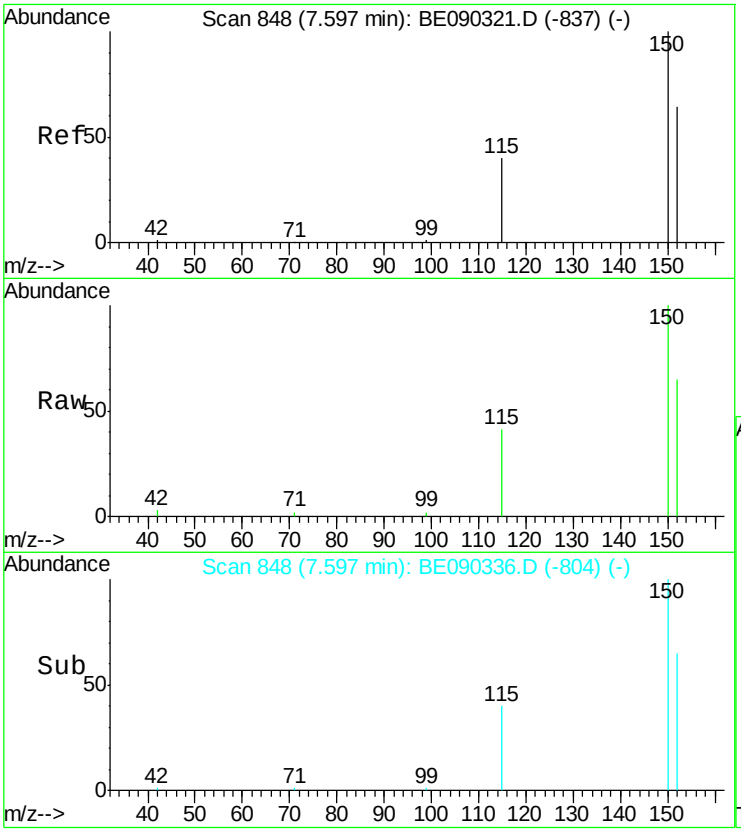
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
Data File : BE090336.D
Acq On : 4 Aug 2015 8:13
Operator : TP/UM
Sample : G3174-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Quant Time: Aug 04 13:20:49 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 02:31:31 2015
Response via : Initial Calibration



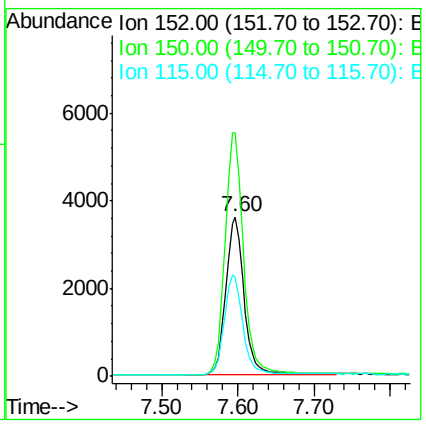


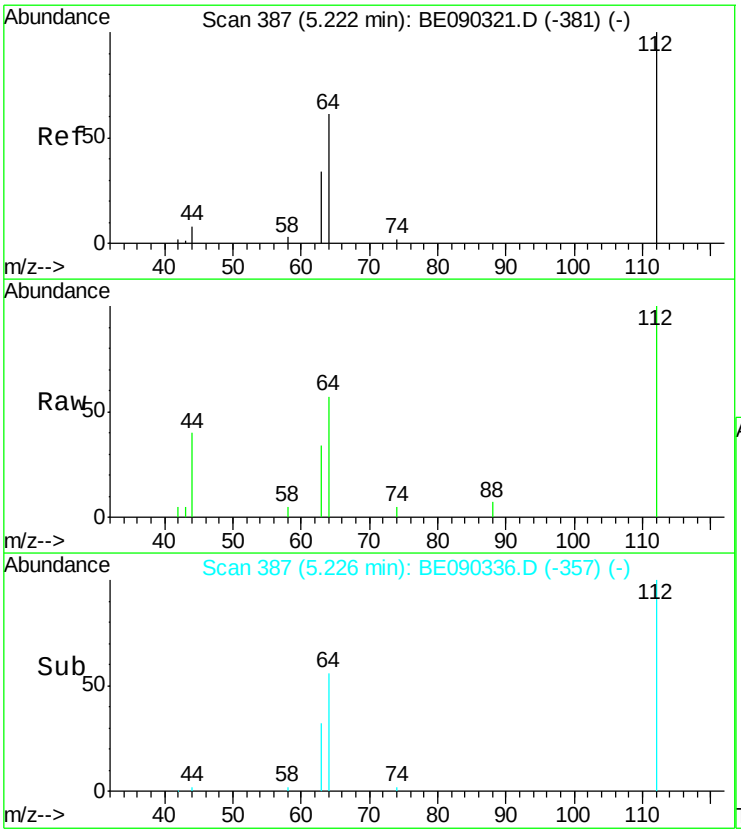
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.60 min Scan# 848
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:152 Resp: 5968

Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.2	186.2
115	62.4	50.4	75.6

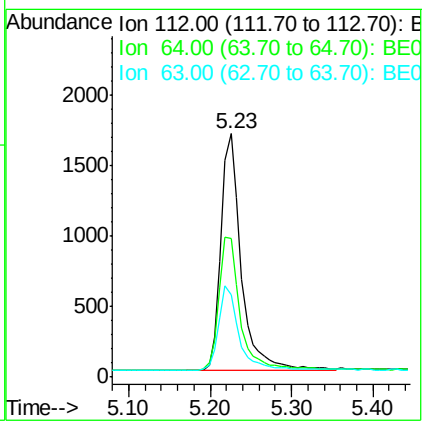


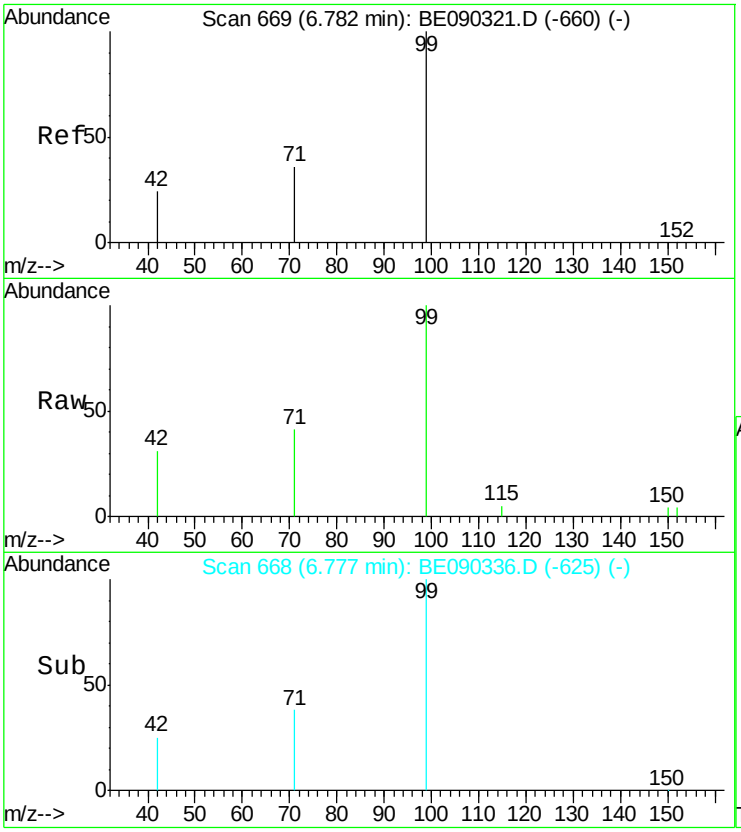


#4
2-Fluorophenol
Concen: 2.61 ng
RT: 5.23 min Scan# 387
Delta R.T. 0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:112 Resp: 2972

Ion	Ratio	Lower	Upper
112	100		
64	58.3	49.0	73.4
63	35.4	27.7	41.5



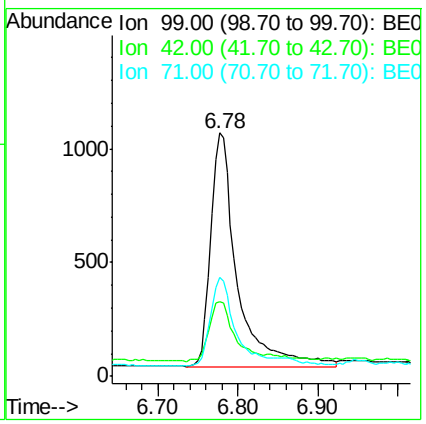


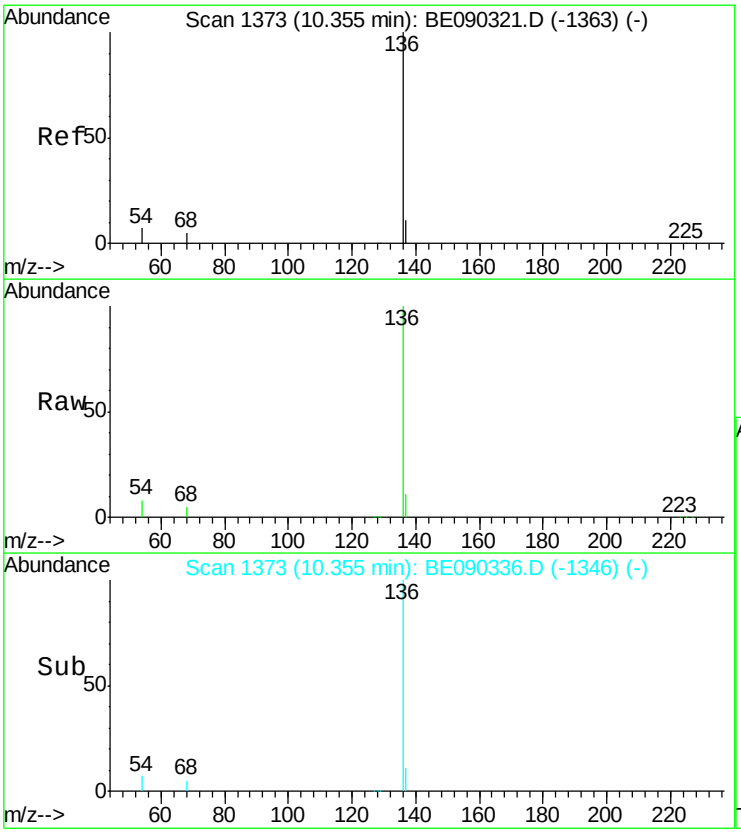
#5
Phenol-d6
Concen: 1.67 ng
RT: 6.78 min Scan# 668
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion: 99 Resp: 2341

Ion	Ratio	Lower	Upper
99	100		
42	24.5	22.2	33.2
71	35.2	29.2	43.8

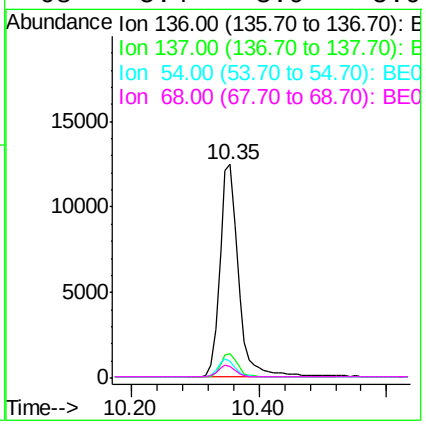


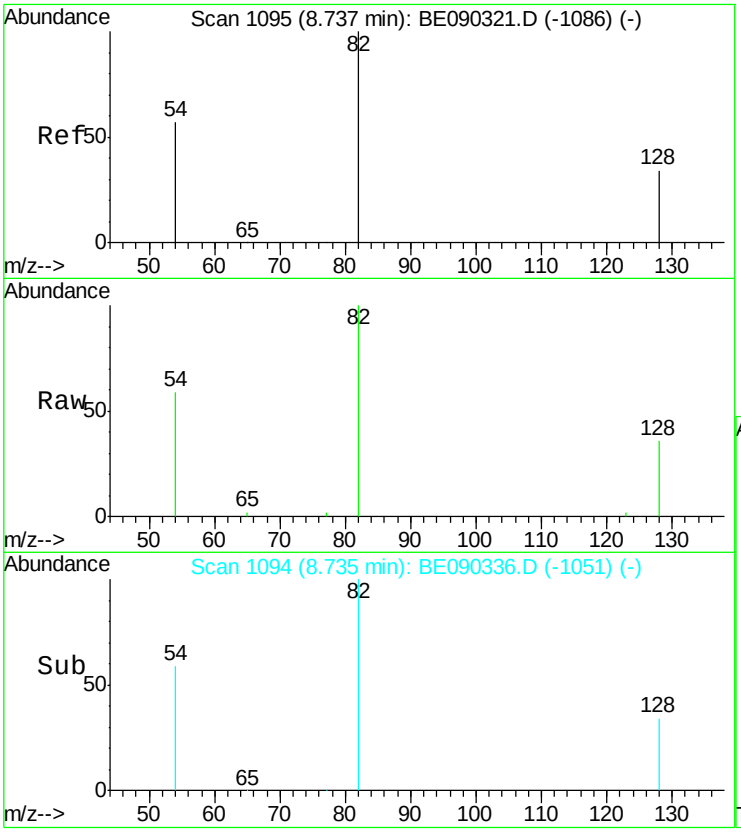


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.35 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:136 Resp: 25406

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.8	6.0	9.0
68	5.4	3.9	5.9



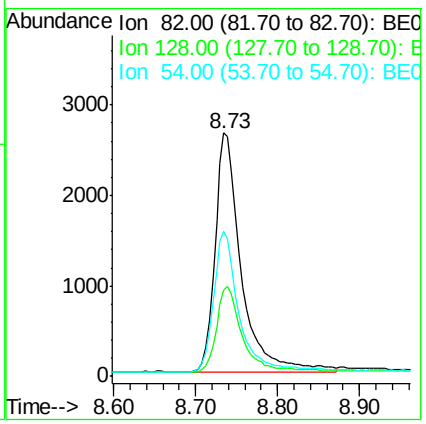


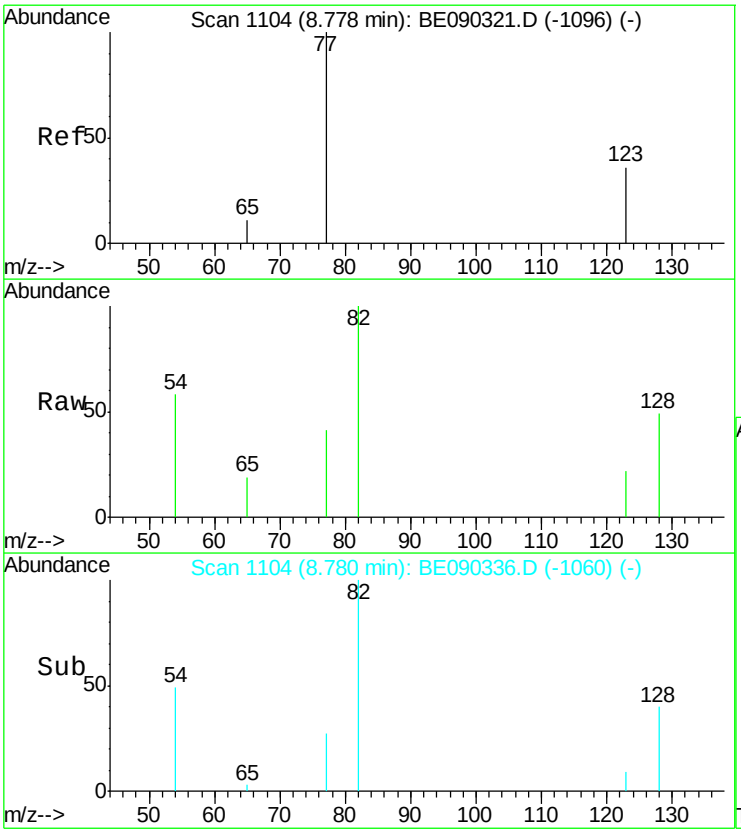
#7
Nitrobenzene-d5
Concen: 3.92 ng
RT: 8.73 min Scan# 1094
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion: 82 Resp: 5888

Ion	Ratio	Lower	Upper
82	100		
128	35.5	30.8	46.2
54	59.4	47.5	71.3

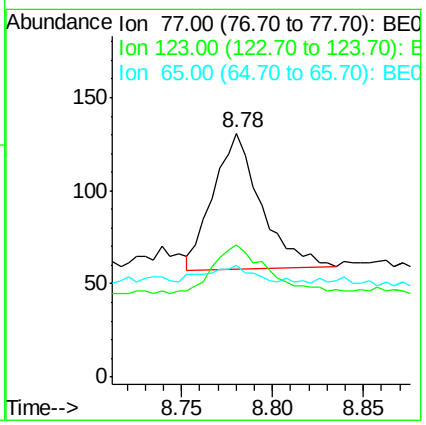


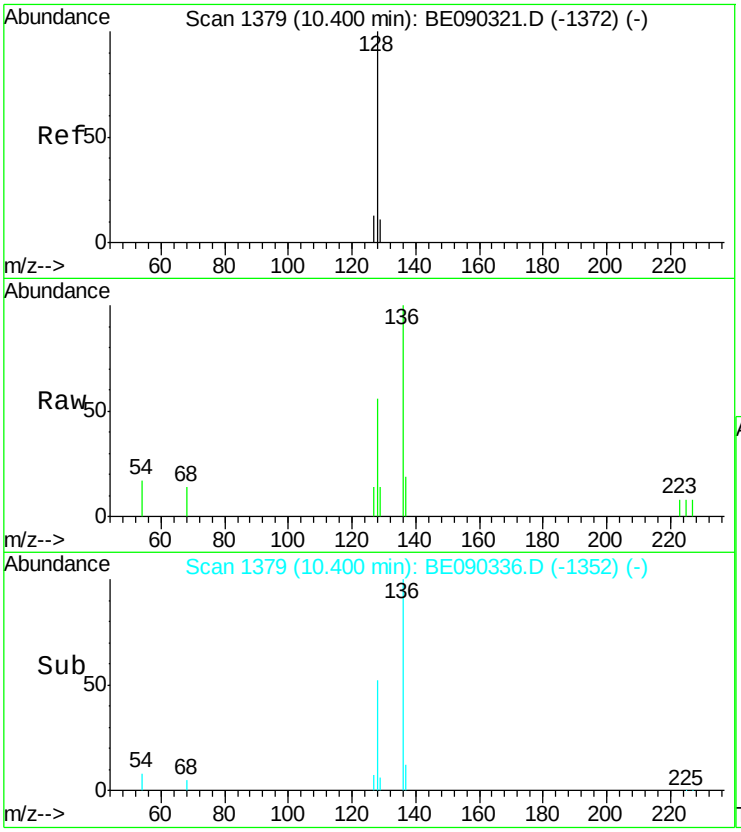


#8
Nitrobenzene
Concen: 0.09 ng
RT: 8.78 min Scan# 1104
Delta R.T. 0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion: 77 Resp: 134

Ion	Ratio	Lower	Upper
77	100		
123	39.6	29.6	44.4
65	14.9	10.4	15.6



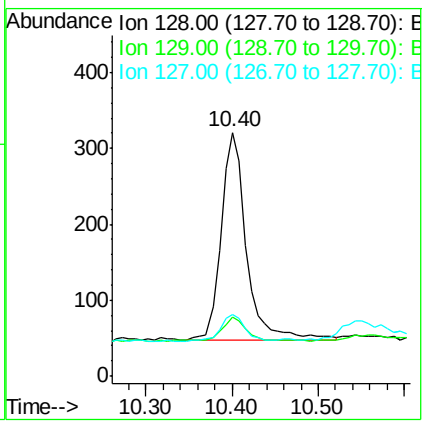


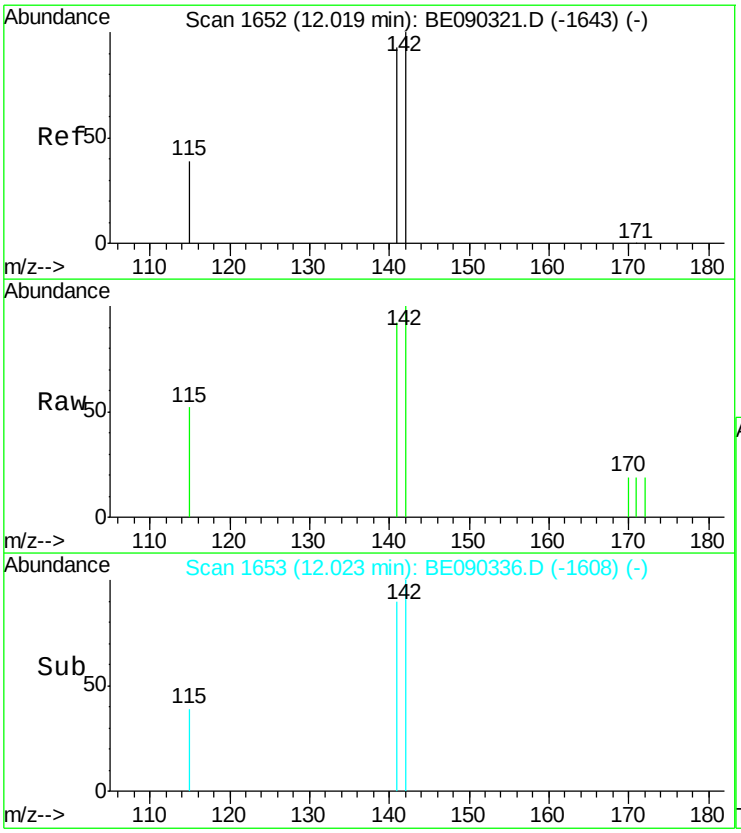
#9
Naphthalene
Concen: 0.10 ng
RT: 10.40 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:128 Resp: 554

Ion	Ratio	Lower	Upper
128	100		
129	24.3	10.1	15.1#
127	25.5	11.3	16.9#

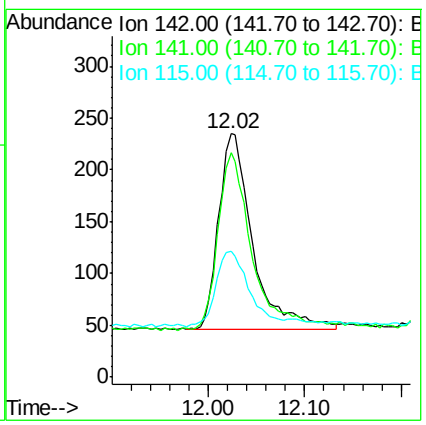


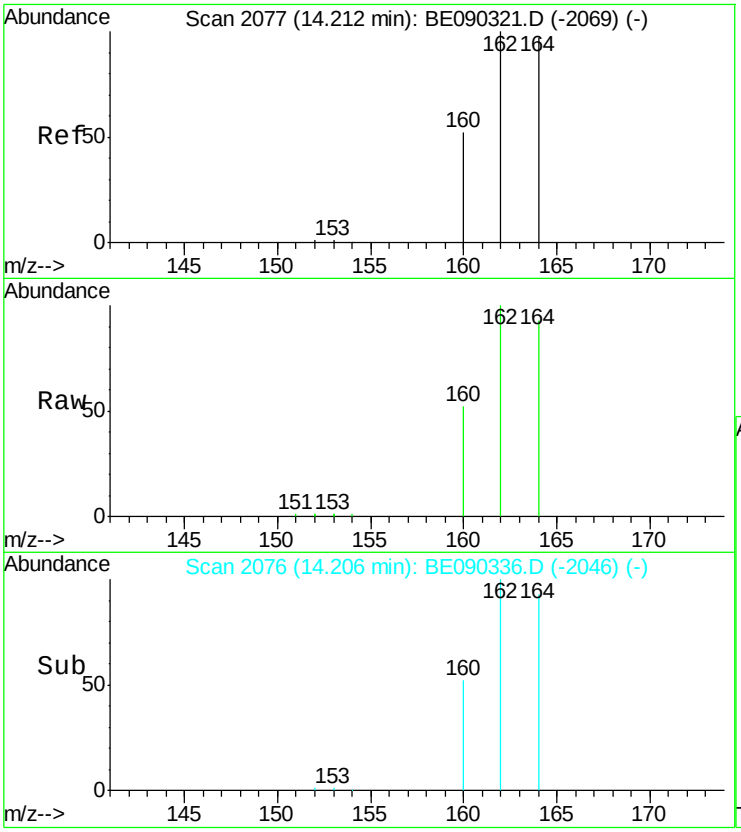


#11
2-Methylnaphthalene
Concen: 0.14 ng
RT: 12.02 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:142 Resp: 465

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.6	112.0
115	51.9	32.6	49.0#



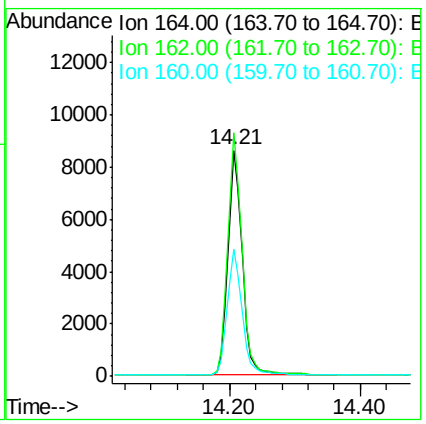


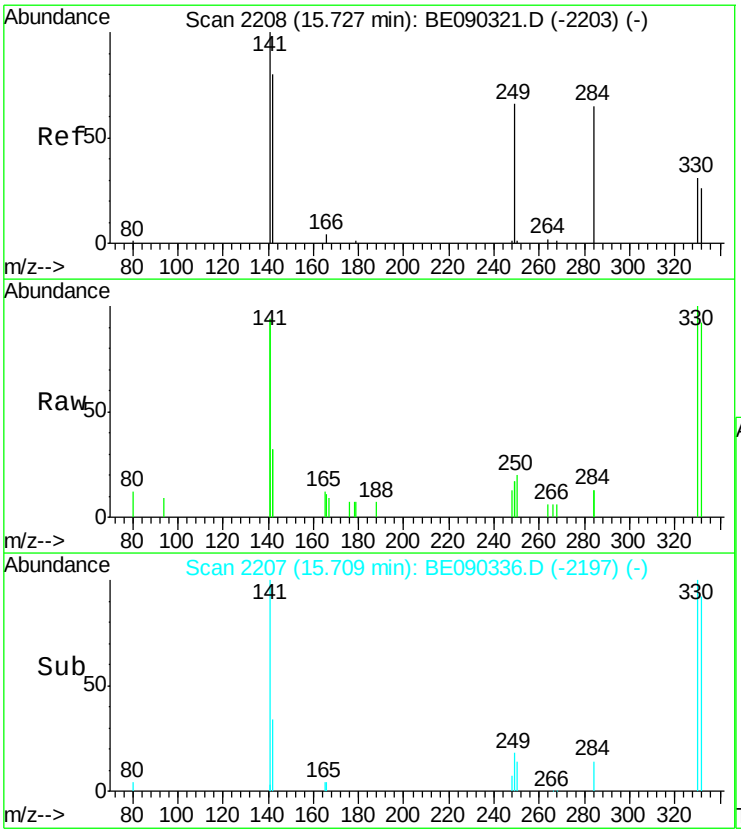
#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.21 min Scan# 2076
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:164 Resp: 13241

Ion	Ratio	Lower	Upper
164	100		
162	107.7	82.7	124.1
160	56.1	43.0	64.6

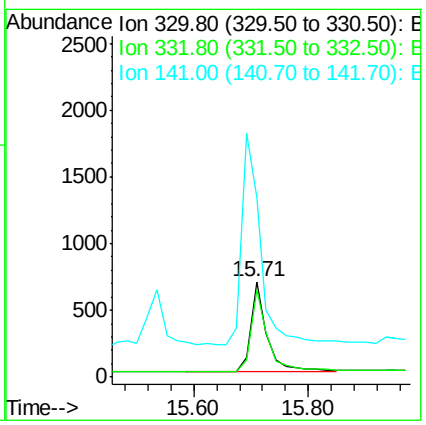


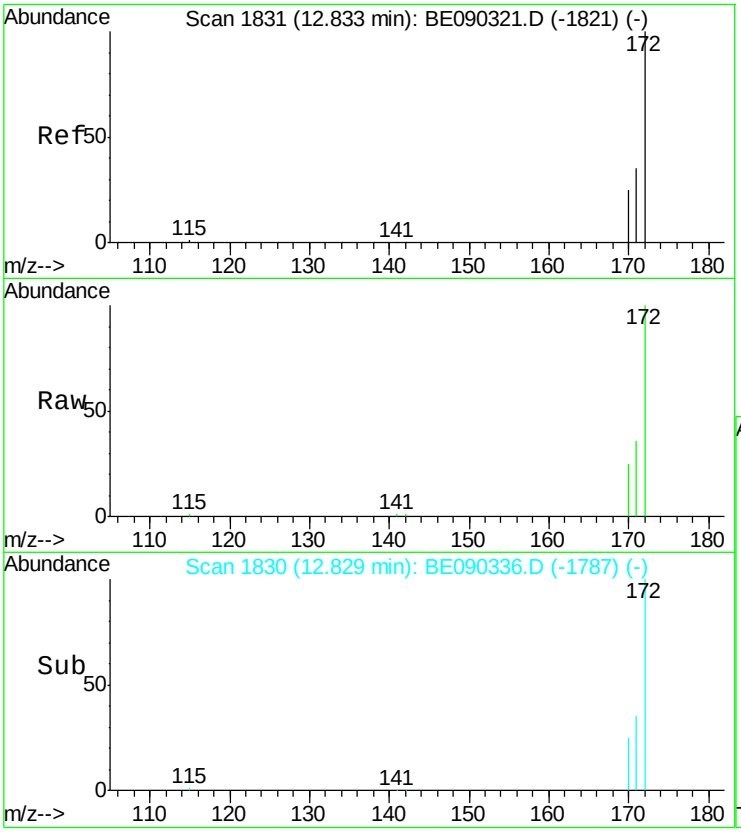


#13
2,4,6-Tribromophenol
Concen: 5.58 ng
RT: 15.71 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:330 Resp: 1309

Ion	Ratio	Lower	Upper
330	100		
332	95.0	79.4	119.0
141	272.7	245.9	368.9



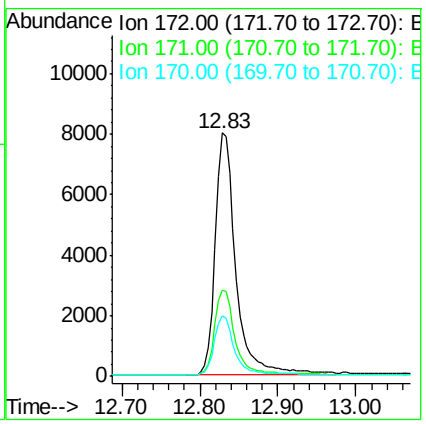


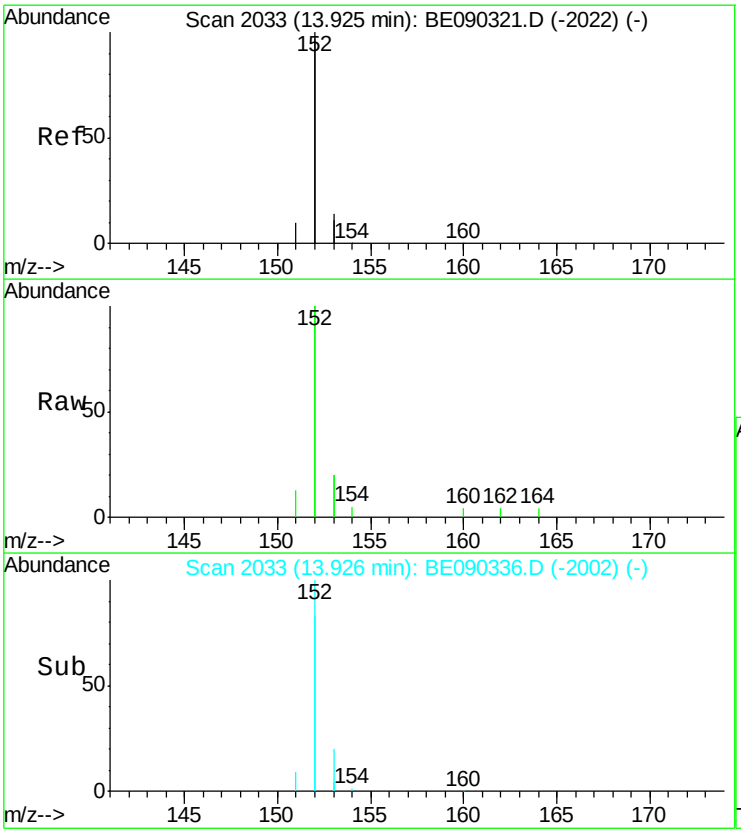
#14
2-Fluorobiphenyl
Concen: 3.85 ng
RT: 12.83 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:172 Resp: 14770

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.5	44.3
170	25.0	21.3	31.9

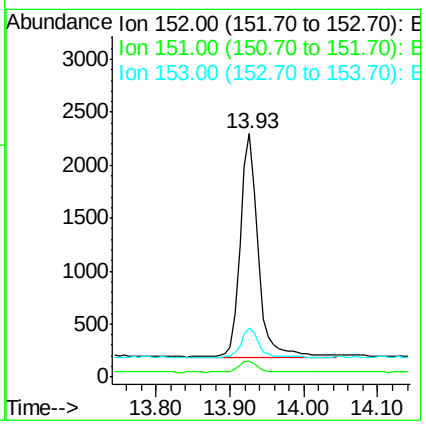


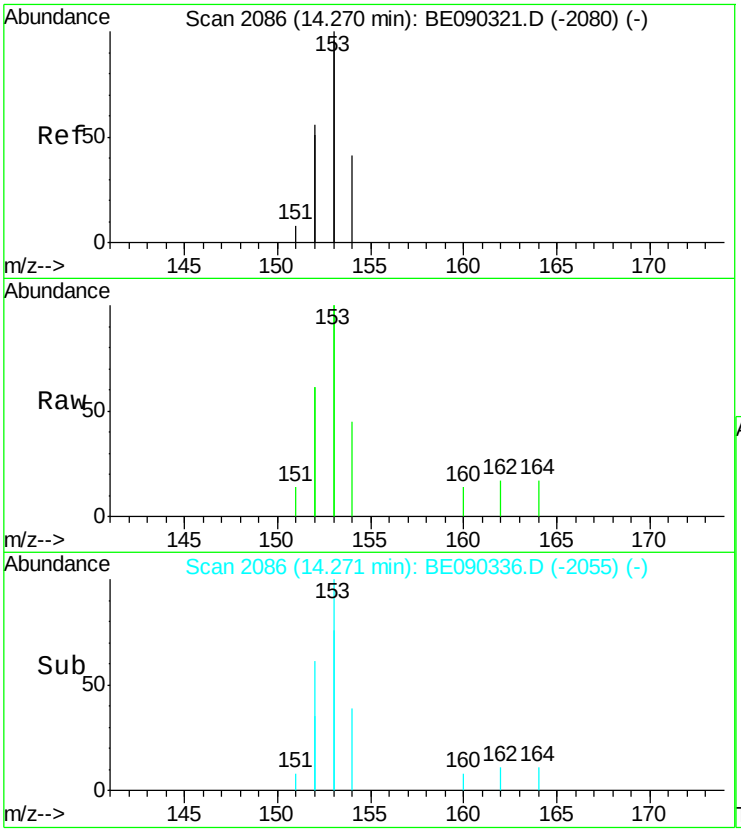


#15
Acenaphthylene
Concen: 0.15 ng
RT: 13.93 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:152 Resp: 3578

Ion	Ratio	Lower	Upper
152	100		
151	5.1	4.0	6.0
153	13.2	10.2	15.4



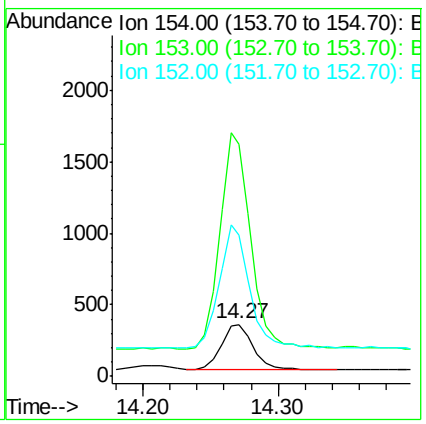


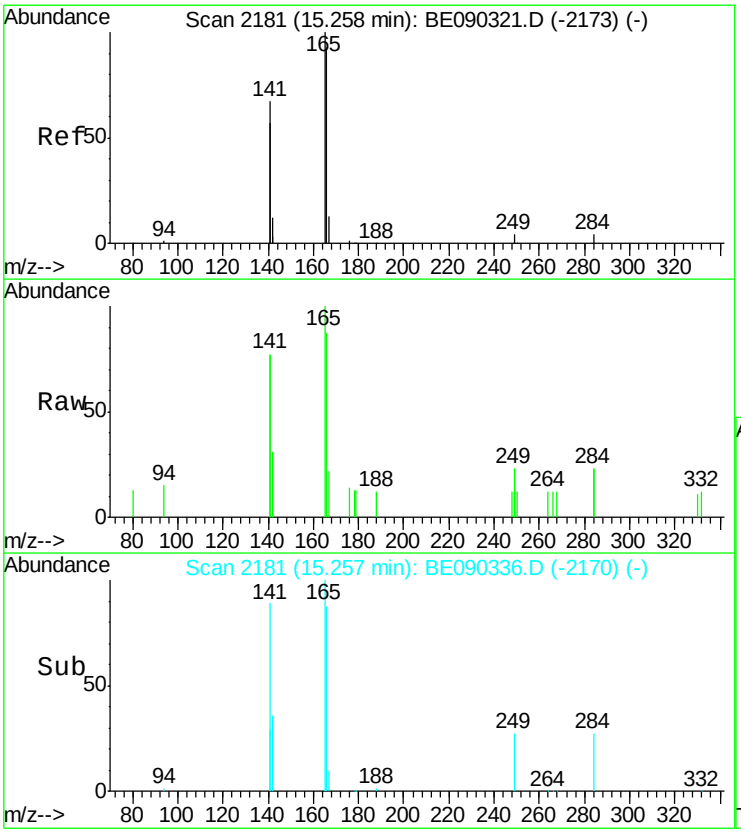
#16
Acenaphthene
Concen: 0.16 ng
RT: 14.27 min Scan# 2086
Delta R.T. 0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:154 Resp: 524

Ion	Ratio	Lower	Upper
154	100		
153	463.7	378.0	567.0
152	258.8	212.7	319.1

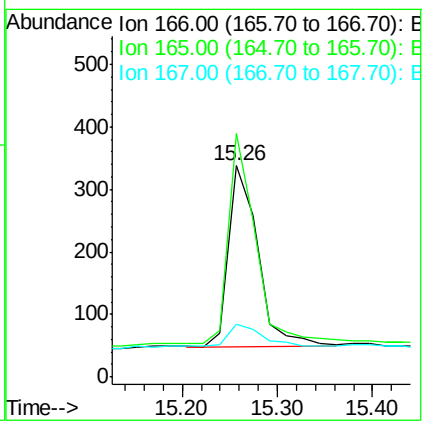


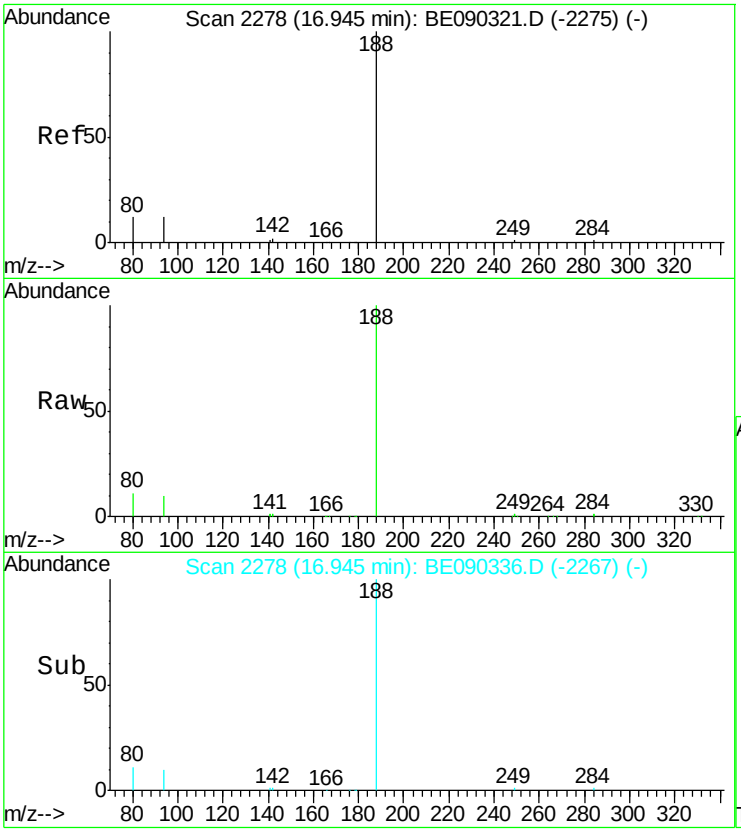


#17
Fluorene
Concen: 0.15 ng
RT: 15.26 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:166 Resp: 619

Ion	Ratio	Lower	Upper
166	100		
165	114.9	82.6	123.8
167	20.0	11.8	17.8#



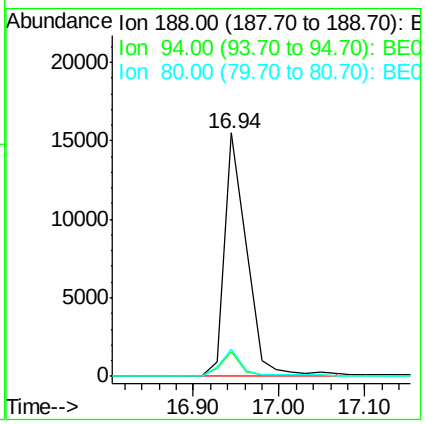


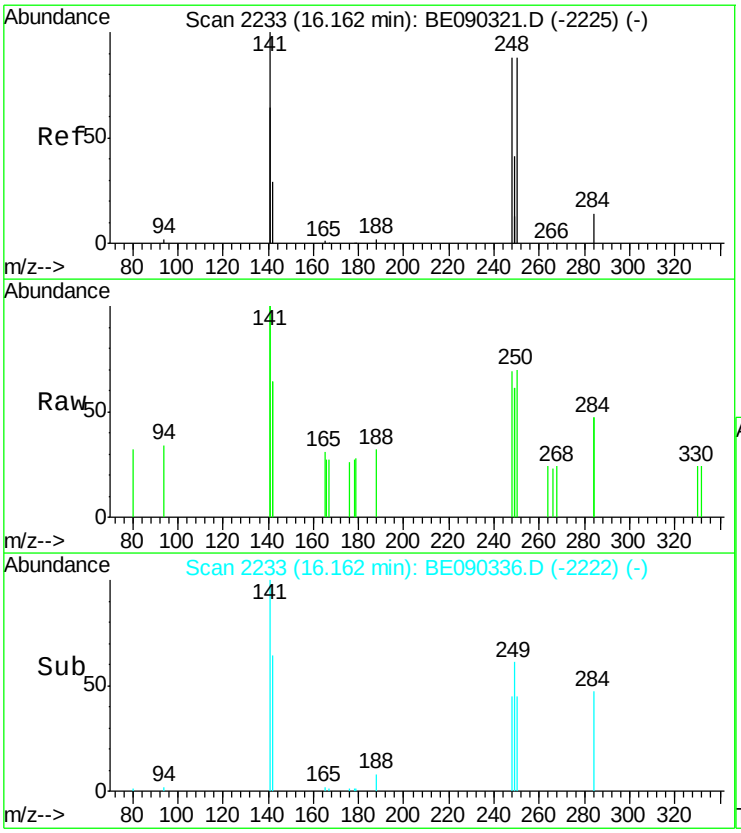
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:188 Resp: 27845

Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.5	14.3
80	11.3	10.0	15.0

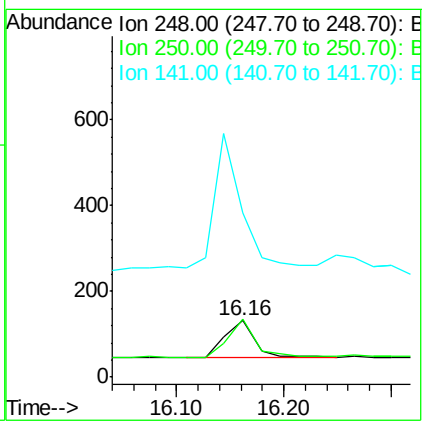


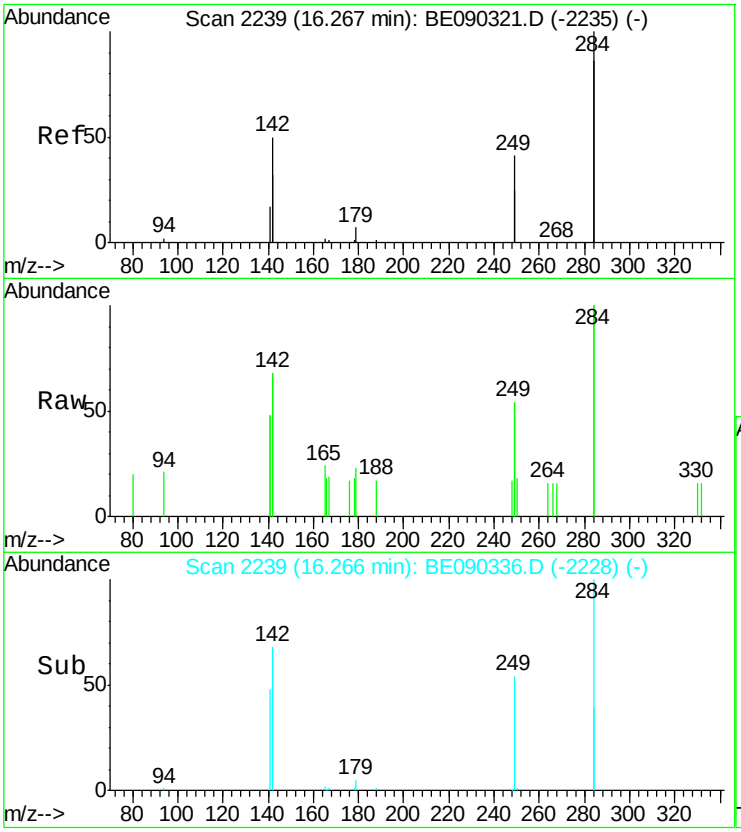


#19
4-Bromophenyl-phenylether
Concen: 0.17 ng
RT: 16.16 min Scan# 2233
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:248 Resp: 174

Ion	Ratio	Lower	Upper
248	100		
250	97.7	74.0	111.0
141	371.8	258.9	388.3



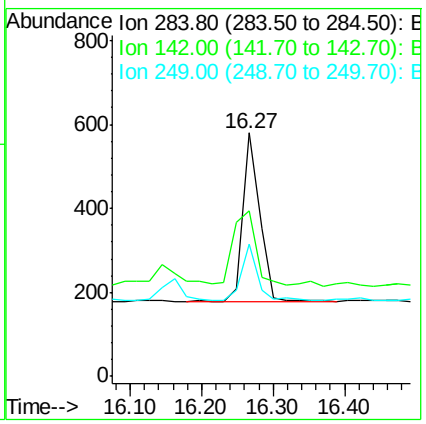


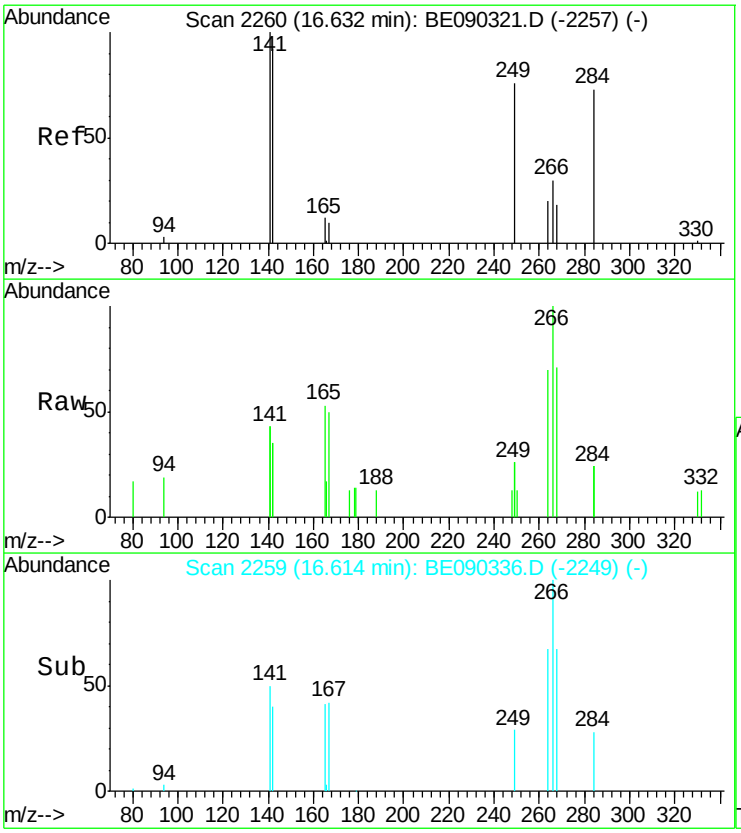
#20
Hexachlorobenzene
Concen: 0.17 ng
RT: 16.27 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:284 Resp: 658

Ion	Ratio	Lower	Upper
284	100		
142	55.2	44.2	66.4
249	30.7	26.4	39.6

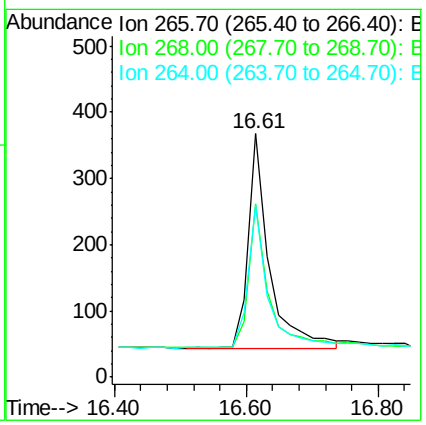


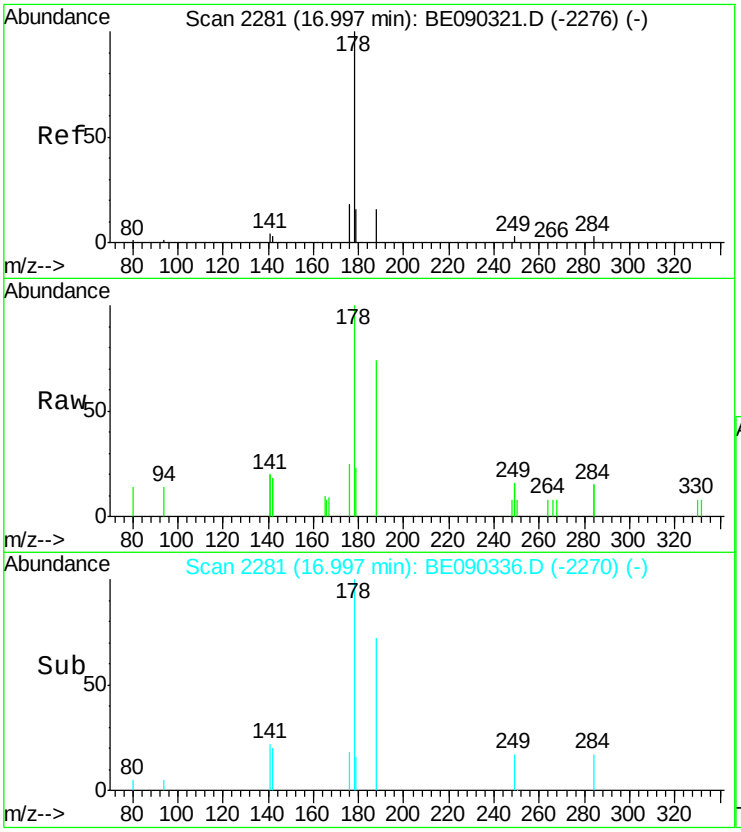


#21
Pentachlorophenol
Concen: 3.16 ng
RT: 16.61 min Scan# 2259
Delta R.T. -0.02 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:266 Resp: 718

Ion	Ratio	Lower	Upper
266	100		
268	71.2	66.2	99.2
264	70.4	69.1	103.7



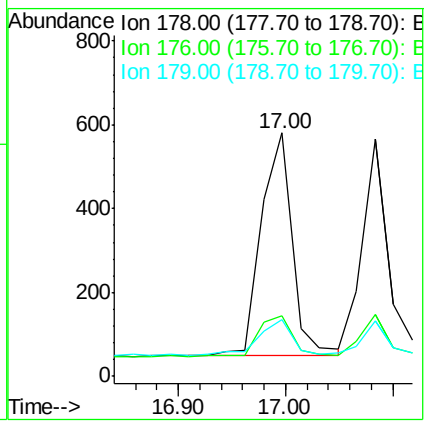


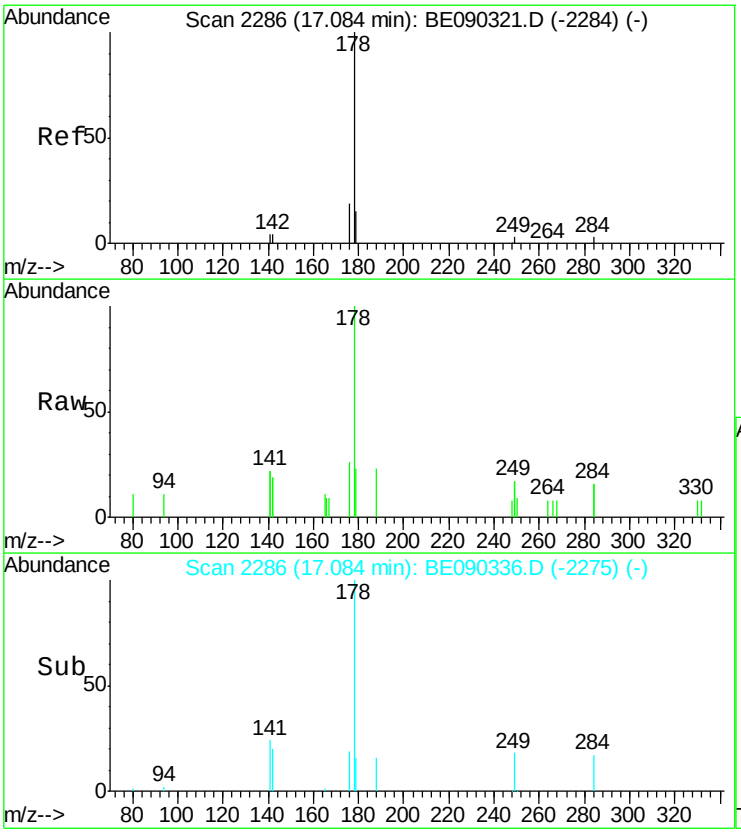
#22
Phenanthrene
Concen: 0.17 ng
RT: 17.00 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:178 Resp: 1074

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.5	23.3
179	17.3	12.6	18.8

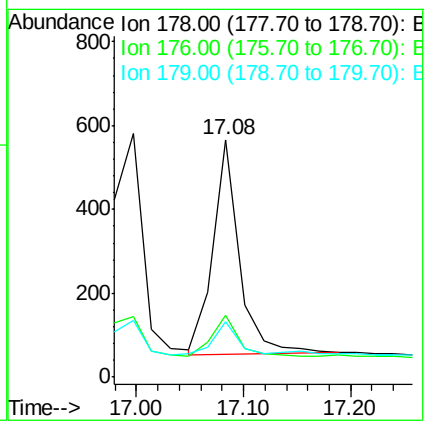


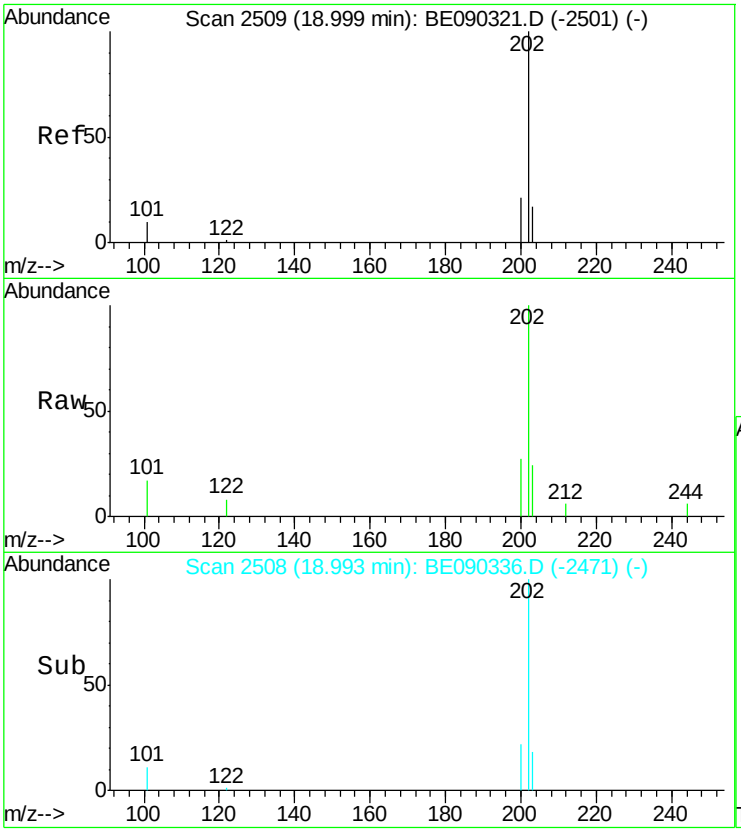


#23
Anthracene
Concen: 0.15 ng
RT: 17.08 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:178 Resp: 875

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.2	12.1	18.1



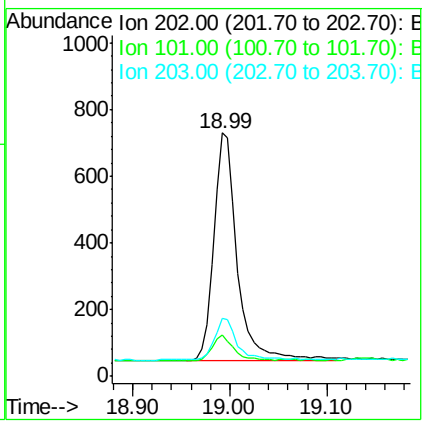


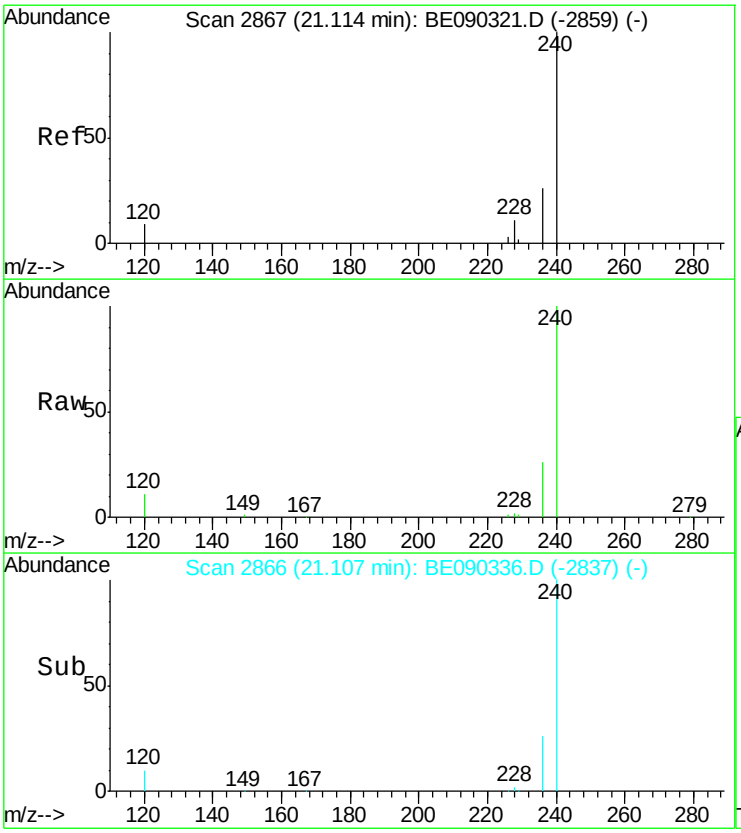
#24
Fluoranthene
Concen: 0.18 ng
RT: 18.99 min Scan# 2508
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:202 Resp: 1140

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.3	12.5
203	16.8	13.8	20.8

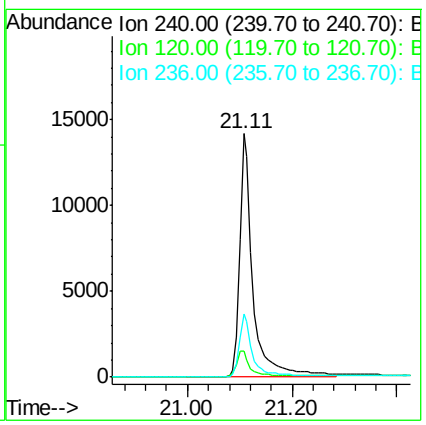


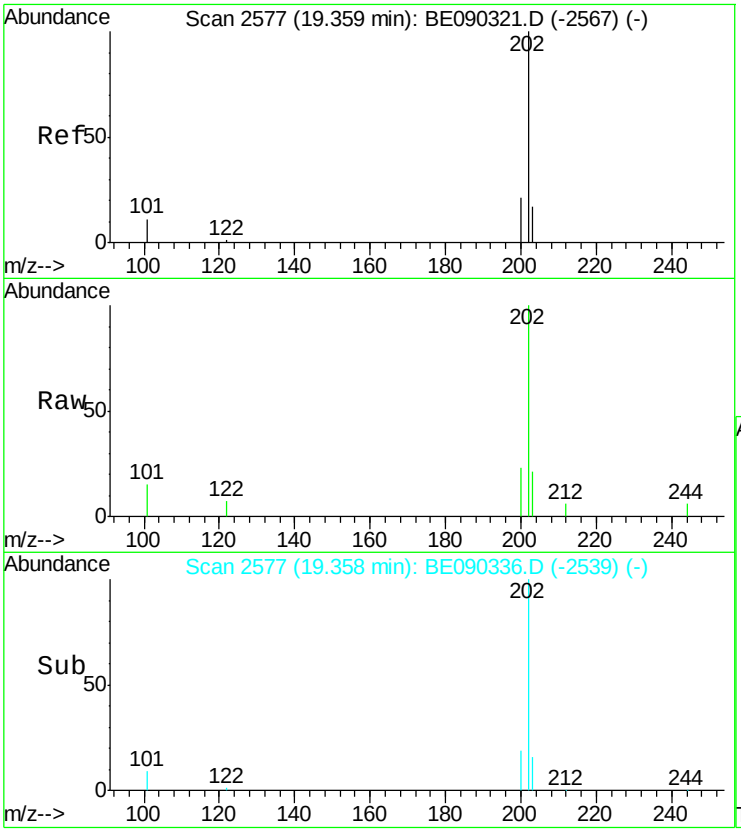


#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.11 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:240 Resp: 24648

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.5	11.3
236	26.1	21.0	31.4



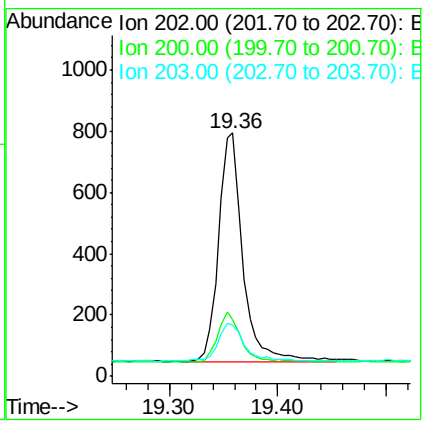


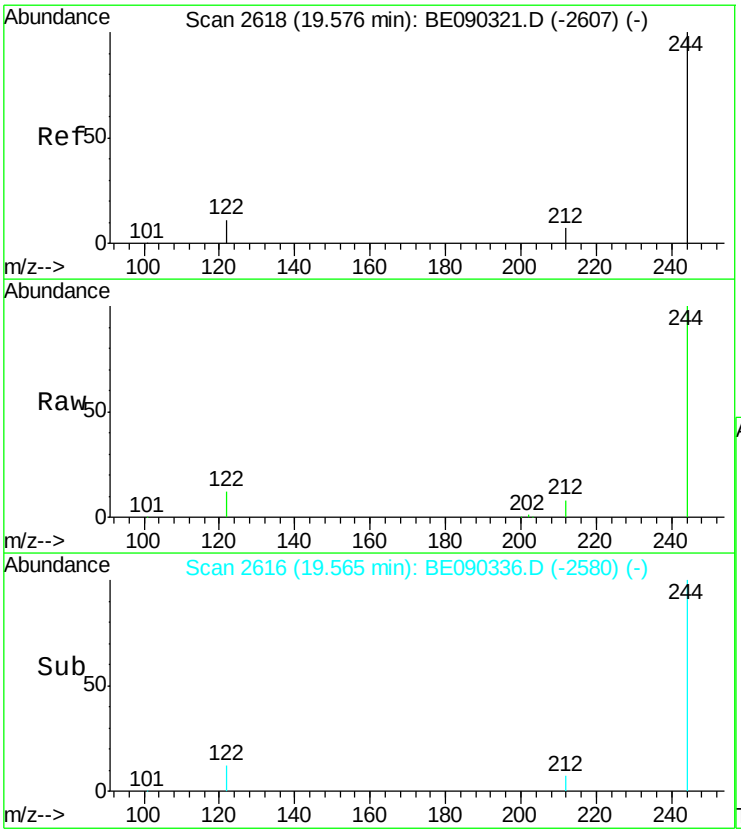
#26
Pyrene
Concen: 0.17 ng
RT: 19.36 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:202 Resp: 1156

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	18.1	13.8	20.6

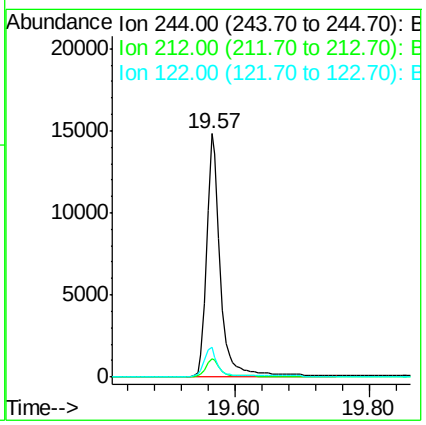


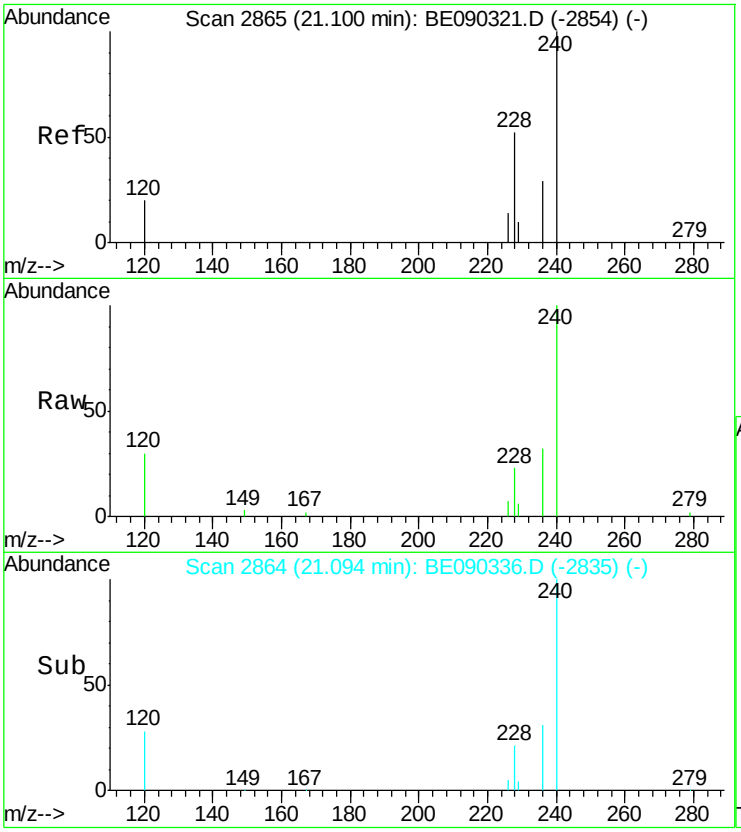


#27
Terphenyl-d14
Concen: 4.55 ng
RT: 19.57 min Scan# 2616
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:244 Resp: 20978

Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.4	11.2
122	12.0	10.4	15.6



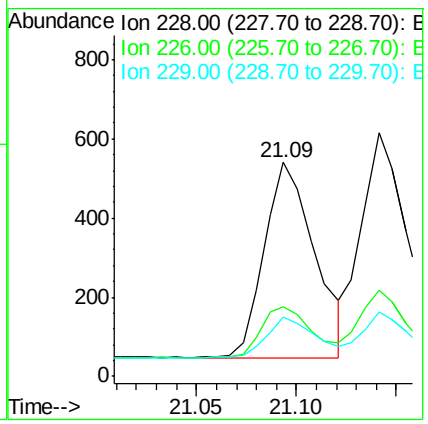


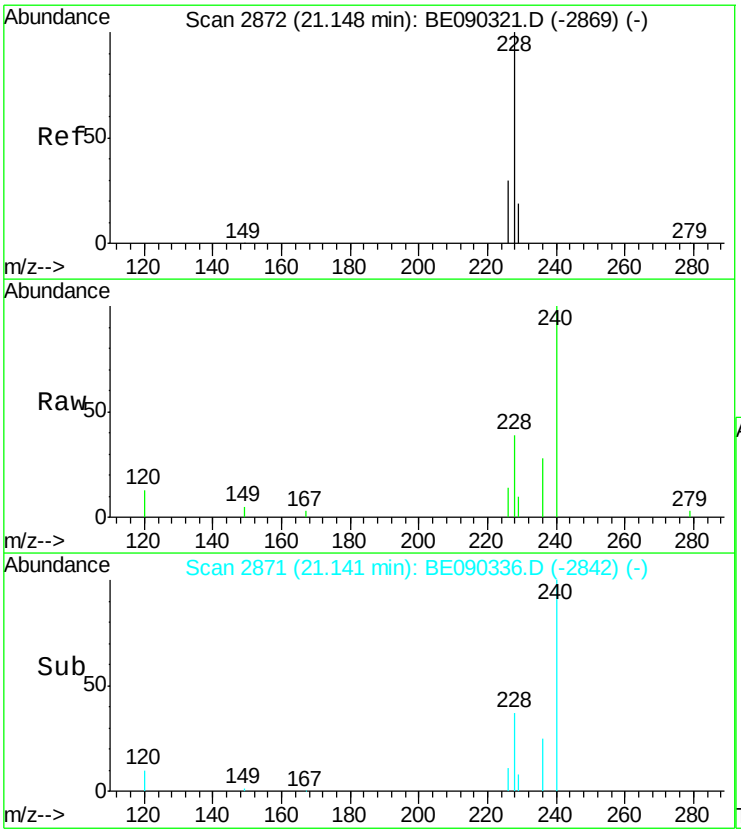
#28
Benzo(a)anthracene
Concen: 0.18 ng
RT: 21.09 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:228 Resp: 860

Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.0	34.4
229	27.8	17.4	26.2#

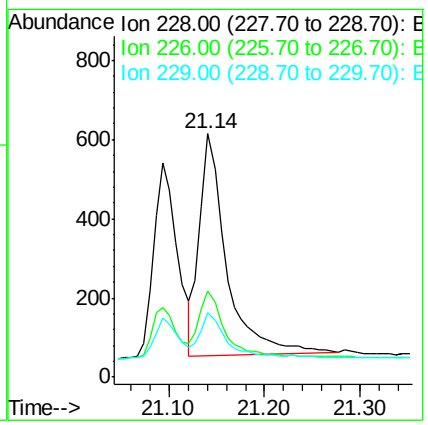


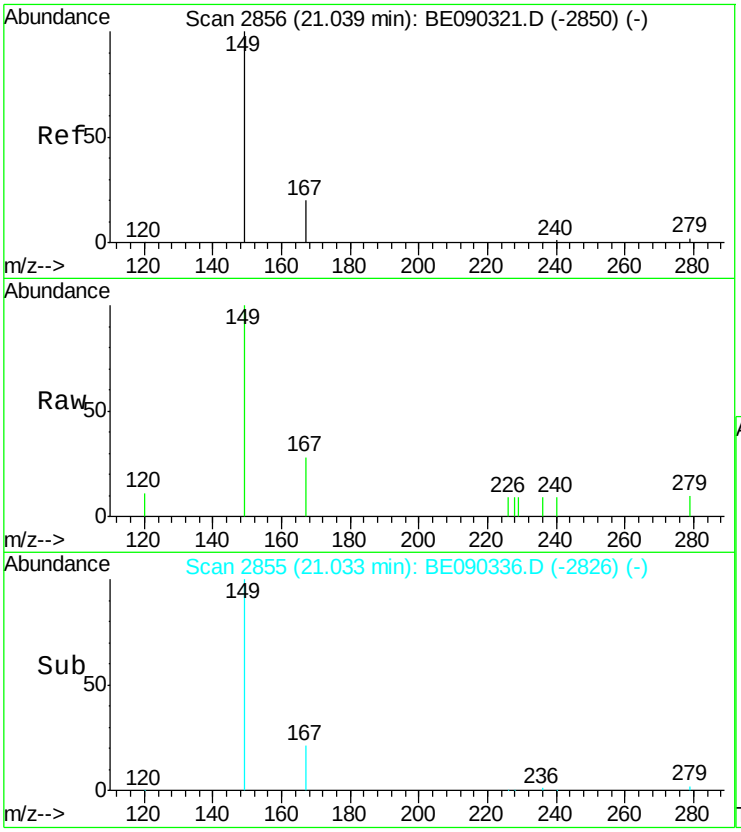


#29
Chrysene
Concen: 0.13 ng
RT: 21.14 min Scan# 2871
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:228 Resp: 1082

Ion	Ratio	Lower	Upper
228	100		
226	35.3	24.9	37.3
229	26.5	16.6	25.0#



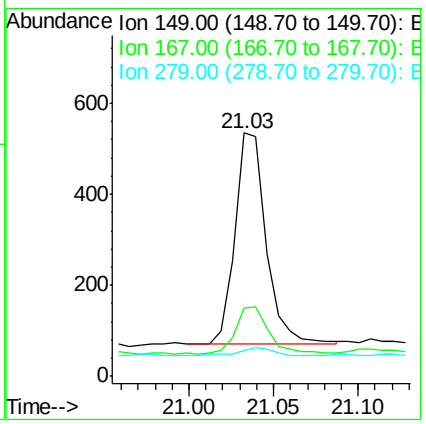


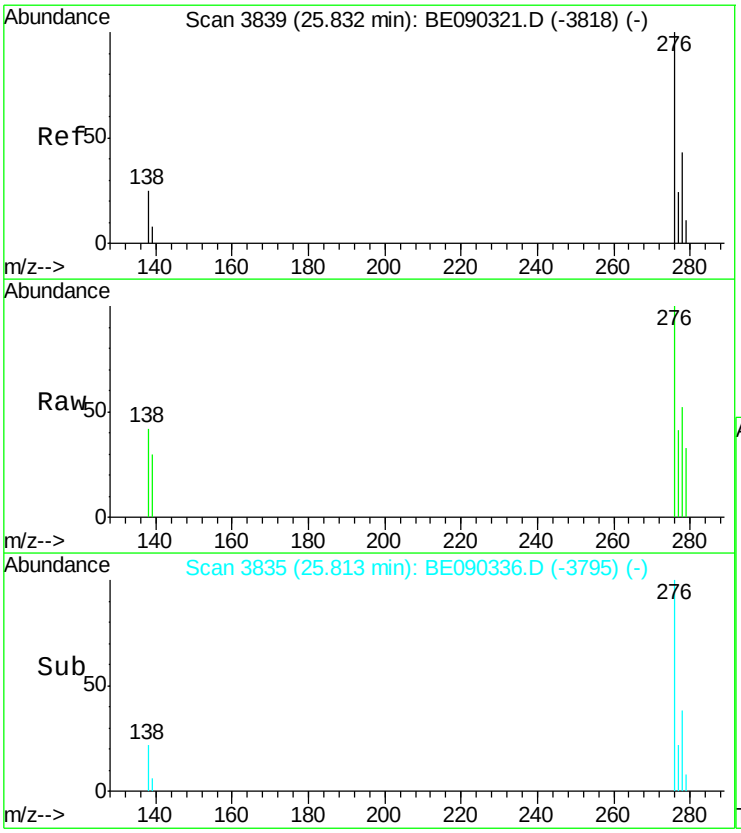
#30
Bis(2-ethylhexyl)phthalate
Concen: 0.52 ng
RT: 21.03 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:149 Resp: 596

Ion	Ratio	Lower	Upper
149	100		
167	23.7	16.6	24.8
279	3.7	2.7	4.1

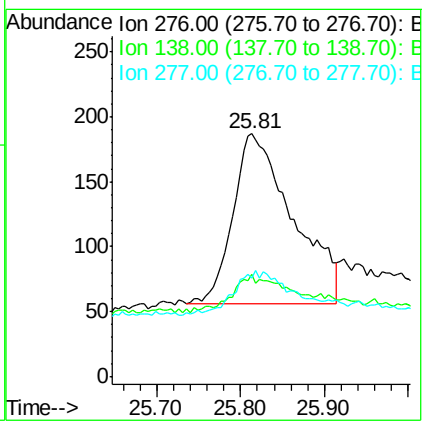


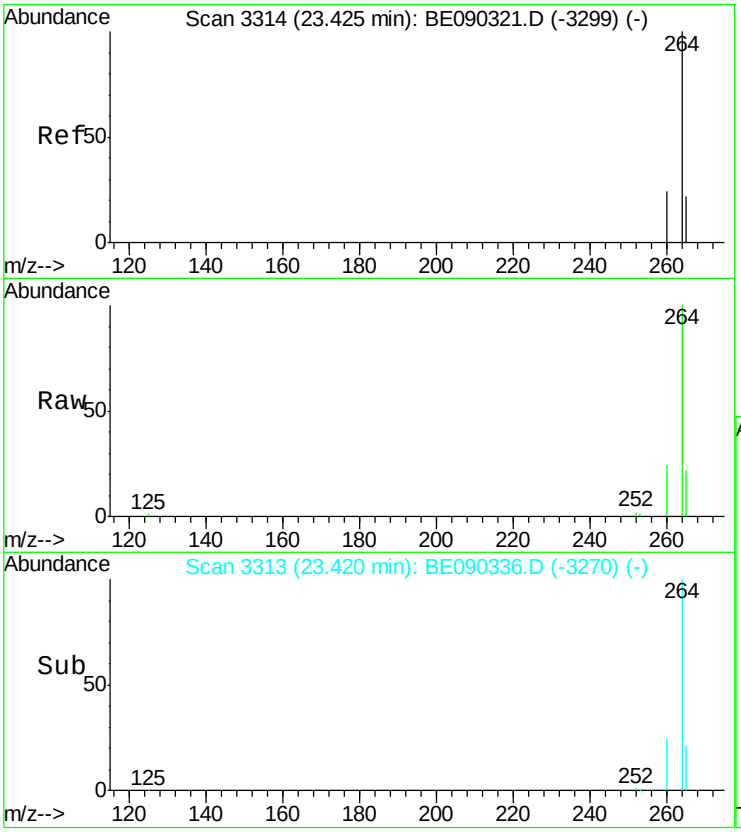


#31
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 25.81 min Scan# 3835
Delta R.T. -0.02 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:276 Resp: 648

Ion	Ratio	Lower	Upper
276	100		
138	11.4	10.6	16.0
277	10.0	14.6	22.0#



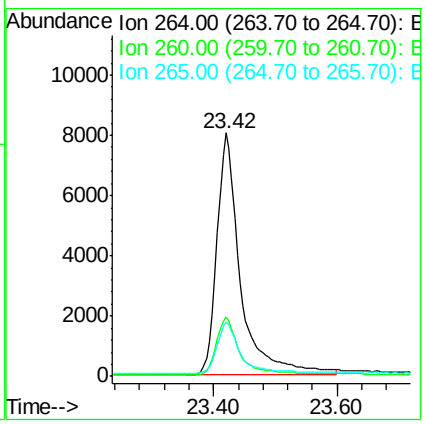


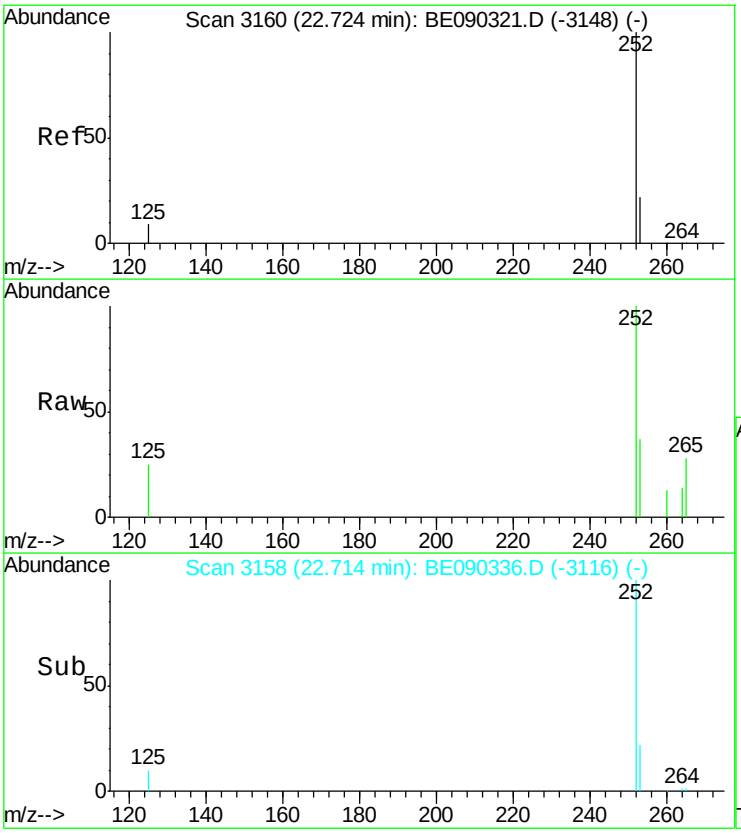
#32
Perylene-d12
Concen: 5.00 ng
RT: 23.42 min Scan# 3313
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:264 Resp: 21313

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.1	30.1
265	22.1	18.6	28.0

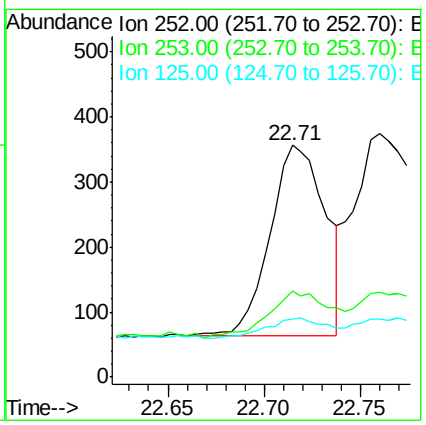


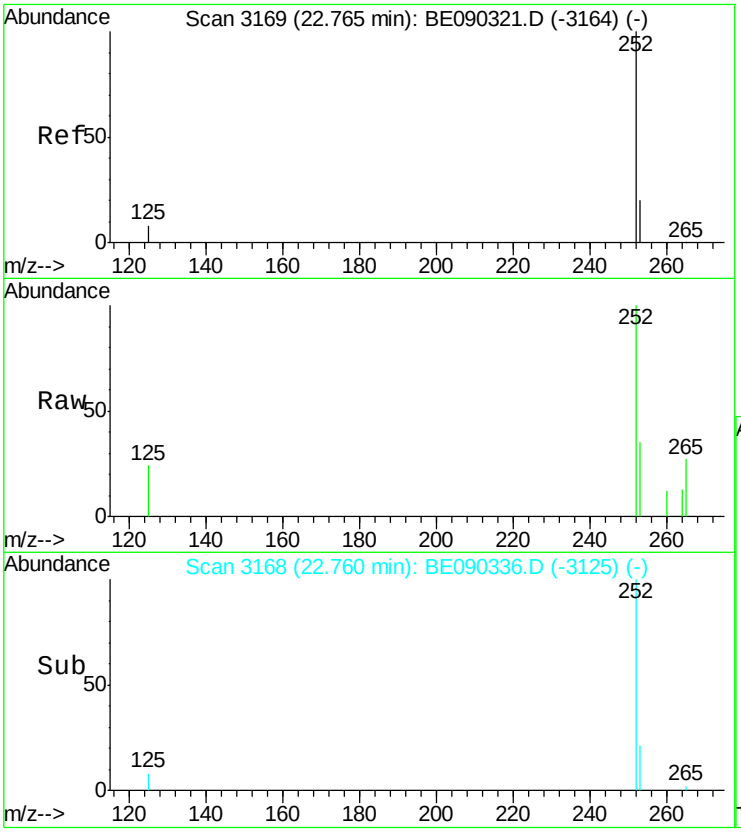


#33
Benzo(b)fluoranthene
Concen: 0.49 ng
RT: 22.71 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:252 Resp: 589

Ion	Ratio	Lower	Upper
252	100		
253	37.1	21.5	32.3#
125	25.3	11.8	17.8#



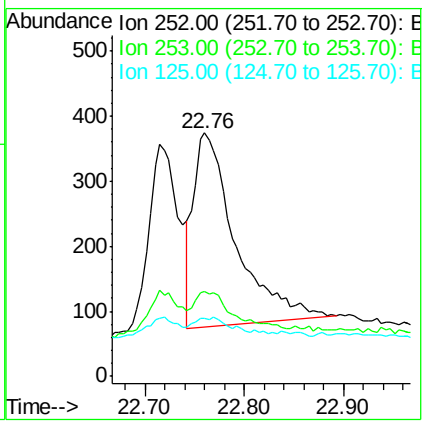


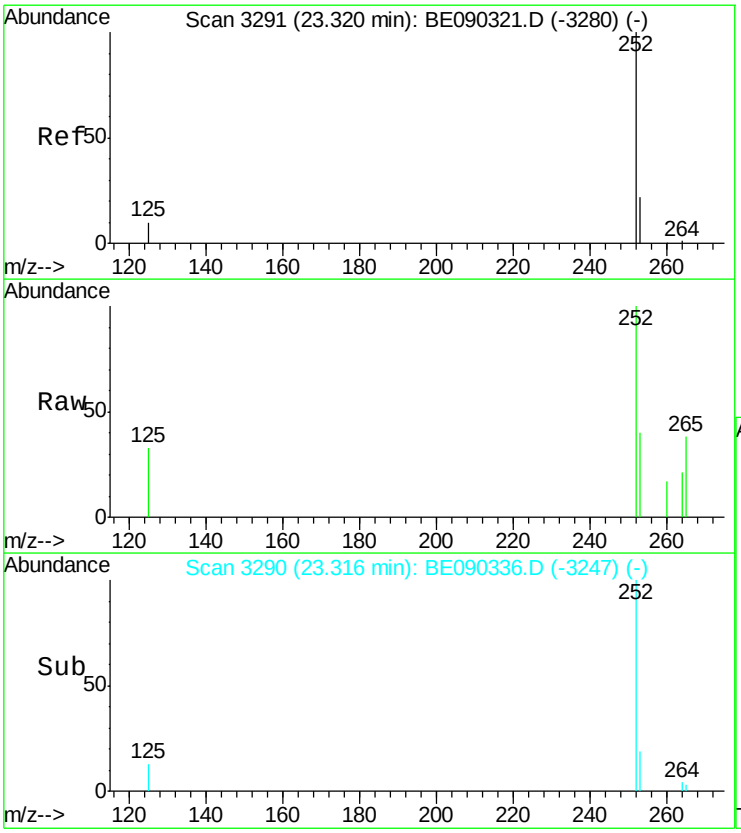
#34
Benzo(k)fluoranthene
Concen: 0.15 ng
RT: 22.76 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:252 Resp: 871

Ion	Ratio	Lower	Upper
252	100		
253	34.8	19.9	29.9#
125	24.1	11.2	16.8#

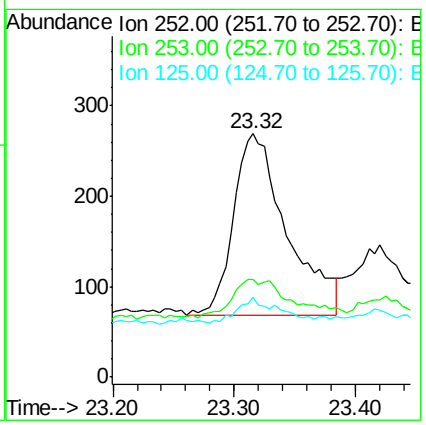


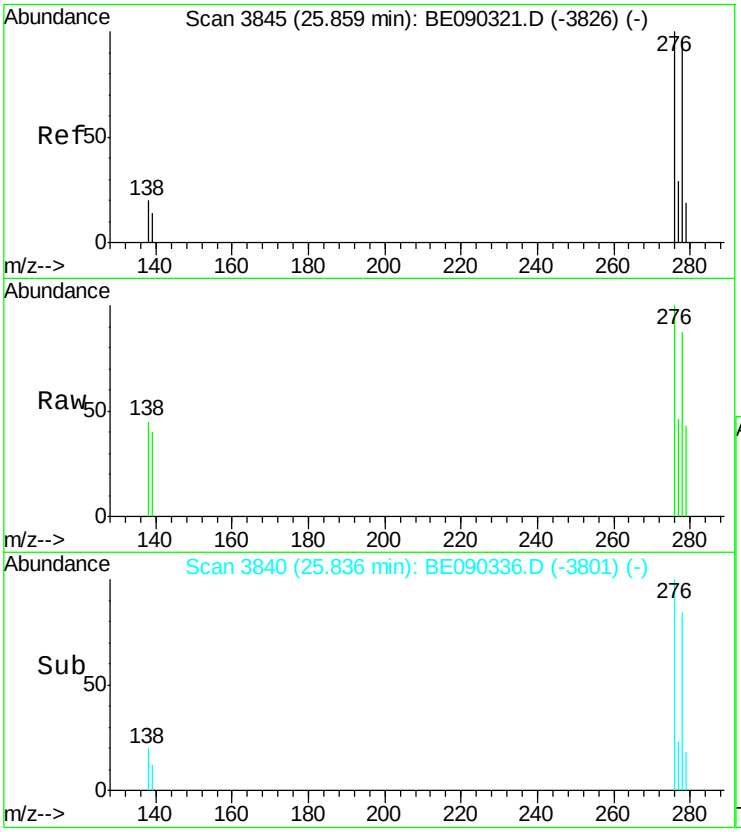


#35
Benzo(a)pyrene
Concen: 0.46 ng
RT: 23.32 min Scan# 3290
Delta R.T. -0.00 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:252 Resp: 612

Ion	Ratio	Lower	Upper
252	100		
253	40.1	23.0	34.4#
125	32.7	14.2	21.2#



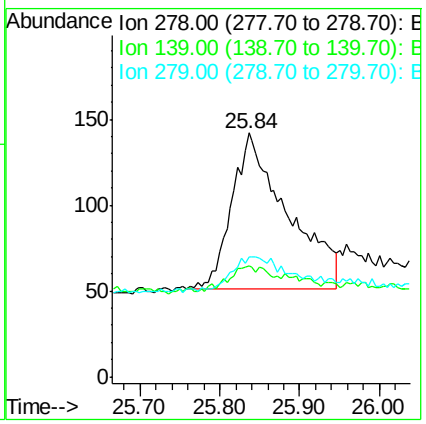


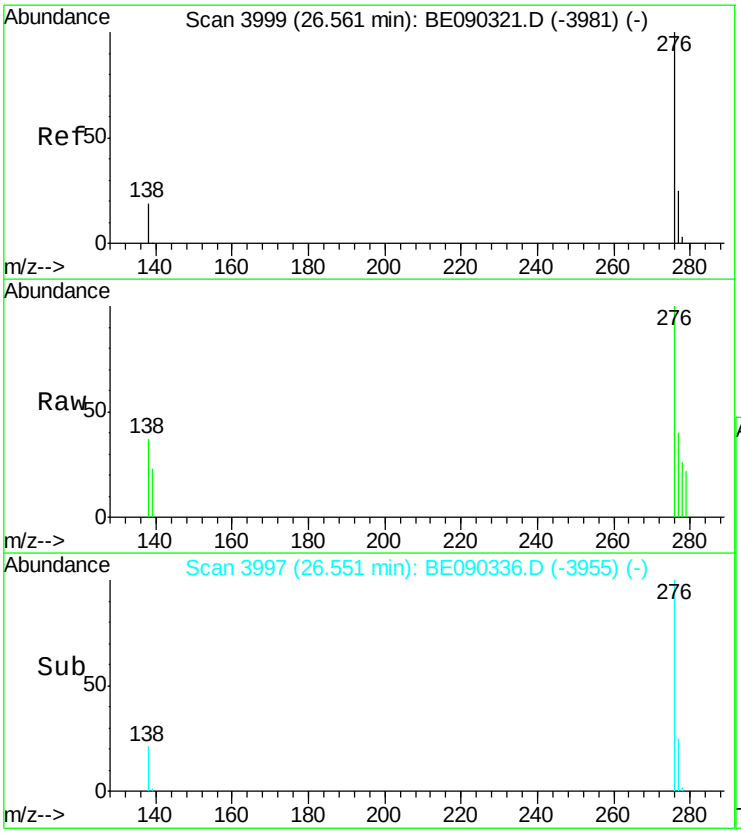
#36
Dibenzo(a,h)anthracene
Concen: 0.41 ng
RT: 25.84 min Scan# 3840
Delta R.T. -0.02 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Instrument :
BNA_E
ClientSampleId :
080115-D506-E-D-M

Tgt Ion:278 Resp: 441

Ion	Ratio	Lower	Upper
278	100		
139	45.8	27.8	41.6#
279	49.3	30.9	46.3#





#37
Benzo(g,h,i)perylene
Concen: 0.43 ng
RT: 26.55 min Scan# 3997
Delta R.T. -0.01 min
Lab File: BE090336.D
Acq: 4 Aug 2015 8:13

Tgt Ion:276 Resp: 787

Ion	Ratio	Lower	Upper
276	100		
277	39.8	25.6	38.4#
138	37.2	22.0	33.0#